Name: _____

at1110paper_practice_test (v22)

1. Expand the following expression into standard form.

$$(7x - 2)(3x - 5)$$

2. Solve the equation.

$$(4x + 9)(5x + 3) \ = \ 0$$

3. Expand the following expression into standard form.

$$(3x + 5)(3x - 5)$$

4. Expand the following expression into standard form.

$$(9x - 2)^2$$

5. Factor the expression.
$$x^2 + 2x - 24$$

6. Factor the expression.
$$49x^2 - 16$$

7. Solve the equation with factoring by grouping.
$$8x^2 - 6x - 20x + 15 \; = \; 0$$

8. Solve the equation.
$$7x^2 + 9x + 8 \; = \; 5x^2 - 4x + 2$$